

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy

Eco Window Systems, LLC 9114 NW 106 Street Medley, FL 33178

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Eco-Guard 500" Outswing Aluminum Casement Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **W11-05**, titled "S-500 Alum. Outswing Casement Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 02/23/11, with revision E dated 06/23/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA No. 13-0206.07 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P. E.

MIAMI-DADE COUNTY
APPROVED

16/26/15

NOA No. 15-0406.10 Expiration Date: May 19, 2021 Approval Date: July 02, 2015

Page 1

Eco Window Systems, LLC.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA No. 11-0309.06)
- 2. Drawing No. W11-05, titled "S-500 Alum. Outswing Casement Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 02/23/11, with revision E dated 06/23/15, prepared by Al-Faroog Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of a casement window, prepared by Hurricane Engineering and Testing, Inc., Test Reports No.

HETI-10-3150 and HETI-10-3151, dated 12/29/10, all signed and sealed by Candido F. Font, P.E.

(Submitted under NOA No. 11-0309.06)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with **FBC** 5th **Edition (2014)**, prepared by Al-Farooq Corporation, dated 03/17/15 and 06/23/15, signed and sealed by Javad Ahmad, P.E.
- 2. Glazing complies with ASTM E1300-09

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 14-0916.10 issued to Kuraray America, Inc. for their "Kuraray Butacite® PVB Glass Interlayer" dated 04/25/15, expiring on 12/11/16.

Manuel Perez, P. E. Product Control Examiner

NOA No. 15-0406.10

Expiration Date: May 19, 2021 Approval Date: July 02, 2015

Eco Window Systems, LLC.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

- 1. Statement letter of conformance, complying with FBC-5th Edition (2014), and of no financial interest, dated March 17, 2015, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- 2. Laboratory compliance letter for Test Reports No. **HETI-10-3150** and **HETI-10-3151**, issued by Hurricane Engineering and Testing, Inc., dated 12/29/10, all signed and sealed by Candido F. Font, P.E. (Submitted under NOA No. 11-0309.06)

G. OTHERS

1. Notice of Acceptance No. 13-0206.07, issued to Eco Window Systems, LLC for their Series "Eco-Guard 500" Outswing Aluminum Casement Window – L.M.I., approved on 05/02/13 and expiring on 05/19/16.

Manuel Perez, P. E.
Product Contro Examiner
NOA No. 15-0406.10

Expiration Date: May 19, 2021 Approval Date: July 02, 2015

ECO-GUARD SERIES-500

ALUMINUM OUTSWING CASEMENT WINDOW

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF CASMT/CASMT OR CASEMENT WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ)

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

-1/8" HEAT STREN'D. GLASS

.090" Interlayer

GLASS TYPE 'A'

5/8" GLA

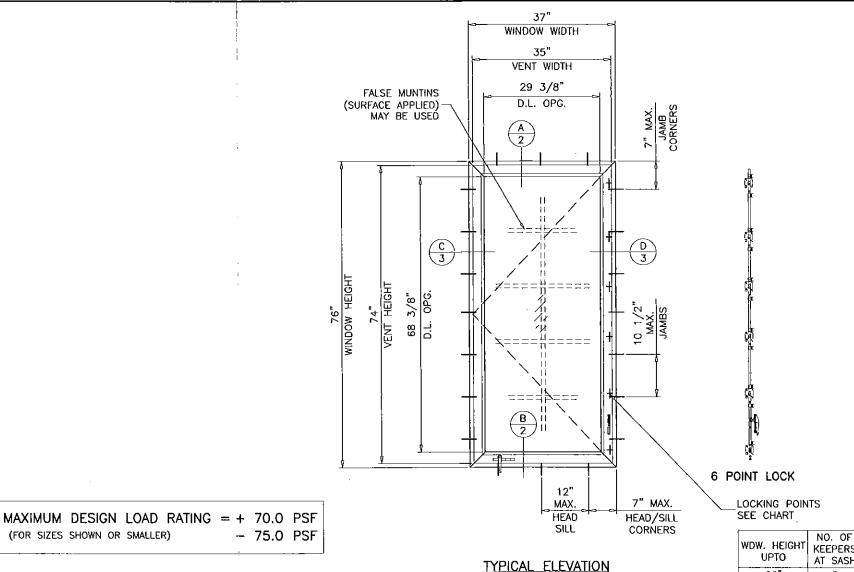
-DuPont Butacite PVB

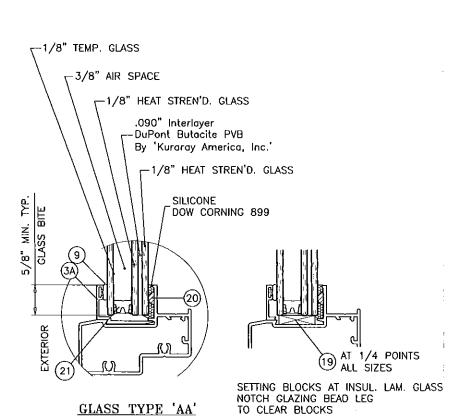
By 'Kuraray America, Inc.'

SILICONE

-1/8" HEAT STREN'D. GLASS

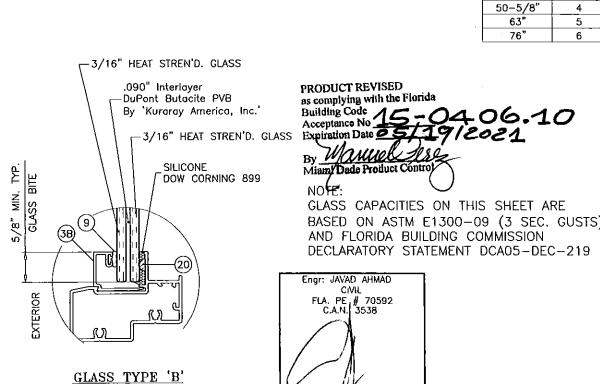
DOW CORNING 899





GLAZING OPTIONS

(FOR SIZES SHOWN OR SMALLER)



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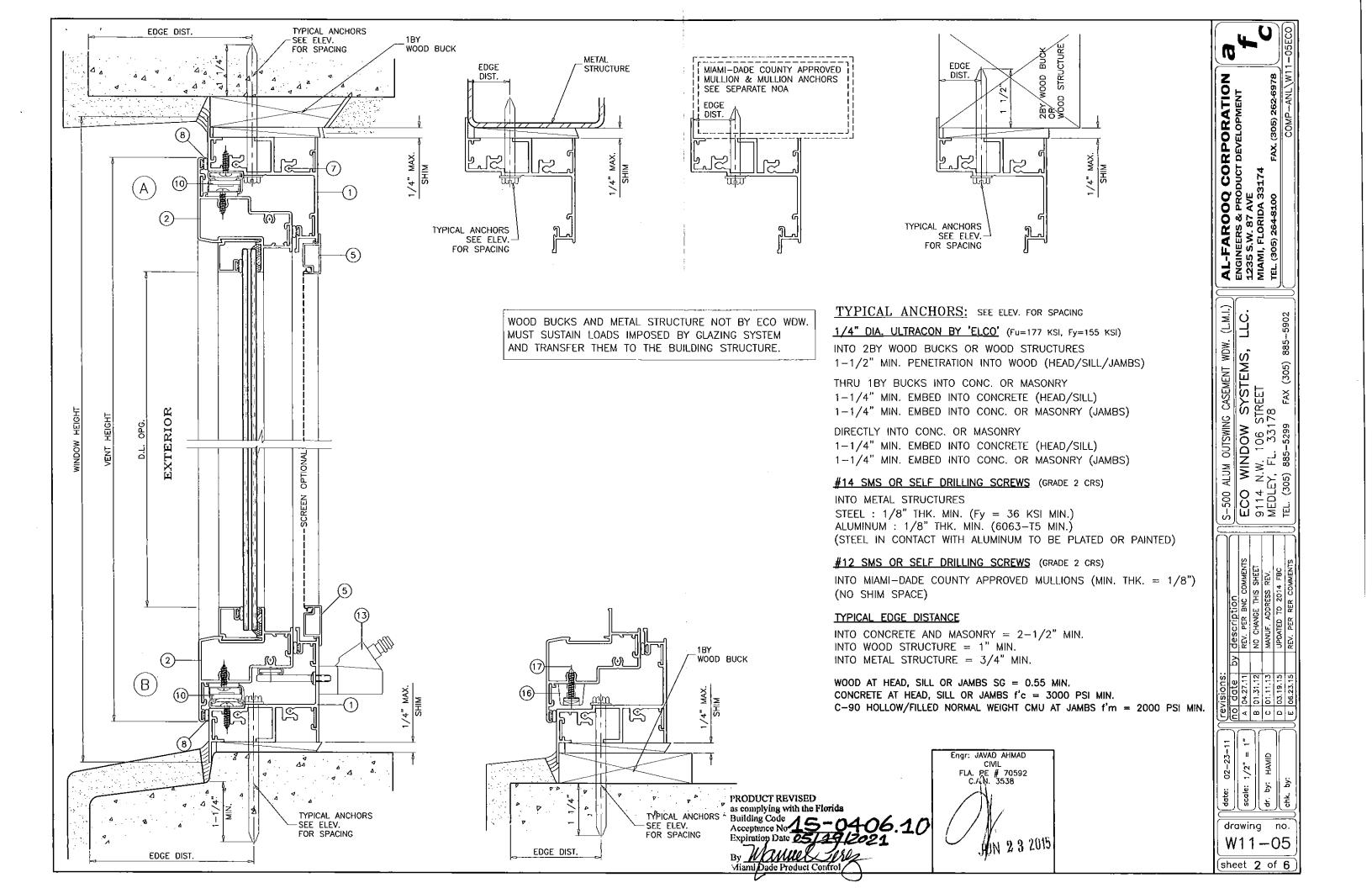
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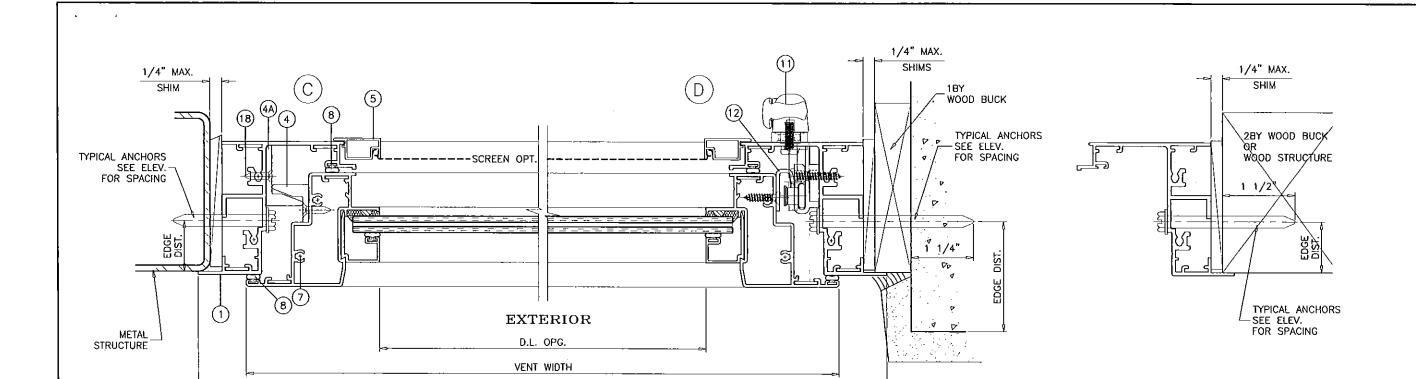
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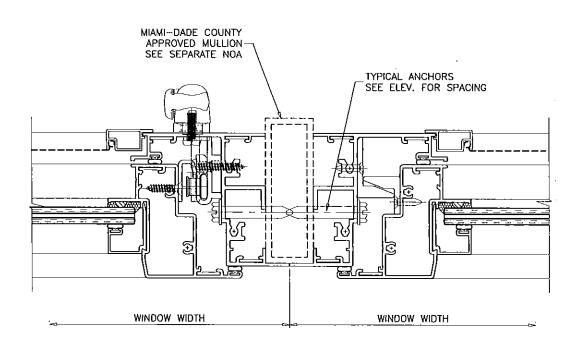
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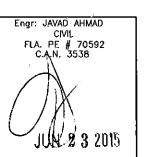




WINDOW WIDTH

PRODUCT REVISED
as complying with the Florida
Building Code 15-0406.10
Expiration Date 05/19/2021

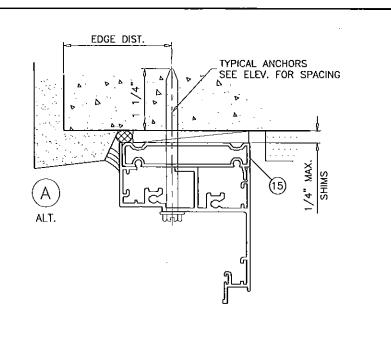
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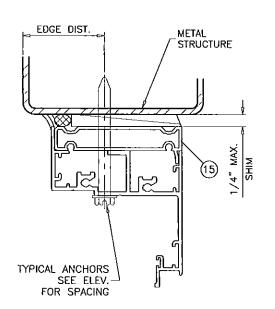


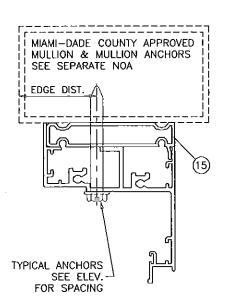
(L.M.I.)	AL-FAROOQ CORPORATION	
ပြ	ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174	<u>.</u> (
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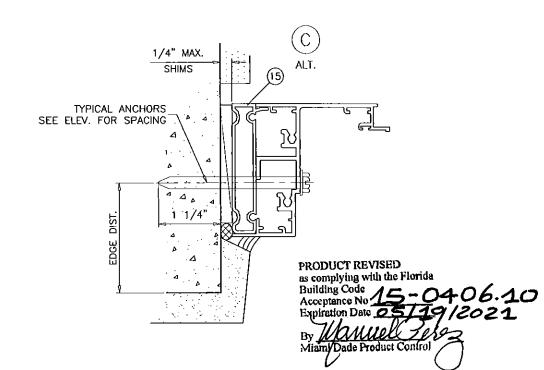
T WDW. (L		ΔS, LL	•		1	FAX (202) 883-55
CASEMEN		SYSTE	TREET	70,70		PAX (30
S-500 ALUM OUTSWING CASEMENT WDW.		ECO WINDOW SYSTEMS,	9114 N.W. 106 STRFFT	MEDIEY EL 33178		LEL. (305) 885-5299
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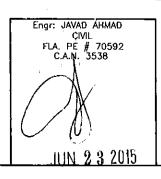








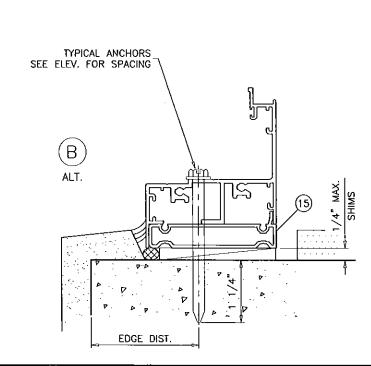
INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

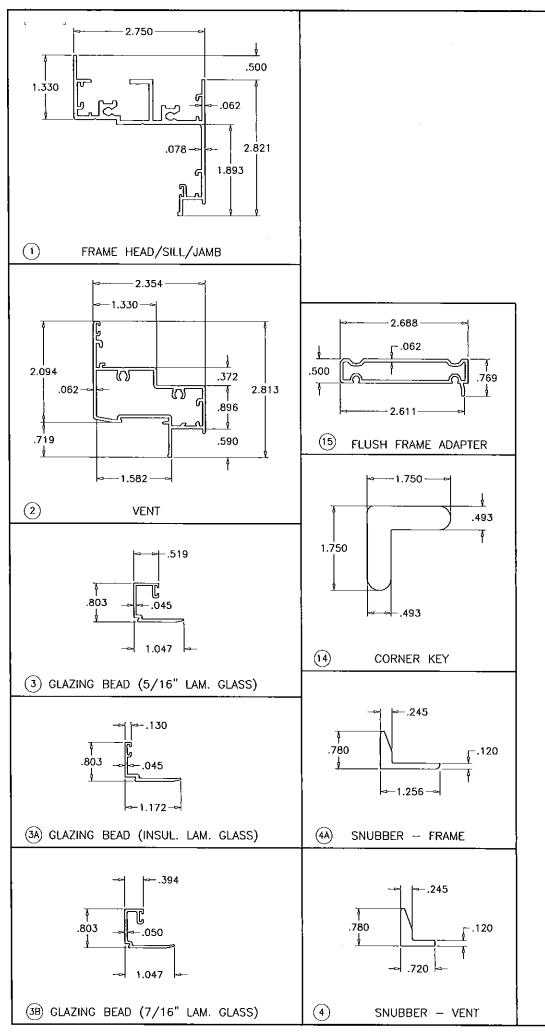


S-500 ALUM OUTSWING CASEMENT WDW. (L.M.I.) AL-FAROOQ CORPORATION	AL-FAROOQ CORPORATION	ENGINEERS & PRODUCT DEVELOPMENT	1235 S.W. 87 AVE	Ì	1EL. (303) 264-6100 FAX. (303) 262-6378	J(COMP-ANL\W11-
à	S-500 ALUM OUTSWING CASEMENT WDW. (L.M.I.)	ECO WINDOW SYSTEMS, LLC.	9114 NW 106 STREET	MEDIEY FI 33178	#10 (10t) 10t (10t) 11t (10t) 10t	IEL. (305) 885-5299 FAX (305) 885-5902
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drawing no. W11-05

sheet 4 of 6





ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E501	4	FRAME HEAD/SILL/JAMB	6063-T6	-
2	E502	4	VENT	6063-T6	-
3	FY108	AS REQD.	GLAZING BEAD (5/16" LAM. GLASS)	6063-T6	-
3A	E505	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	-
3B	FY109	AS REQD.	GLAZING BEAD (7/16" LAM. GLASS)	6063-T6	-
4	E508	AS REQD.	SNUBBER - VENT, FULL LENGTH	6063-T6	-
4A	E509	AS REQD.	SNUBBER - FRAME, FULL LENGTH	6063T6	_
5	E506	OPTIONAL	SCREEN FRAME	6063-T5	-
7	#10 X 1-1/4"	AS REQD.	FRAME AND VENT ASSEMBLY SCREWS	-	H WH SMS
8	E203	AS REQD.	BULB WEATHERSTRIPPING, DUROMETER 65	SANTOPRENE	ULTRAFAB
9	E203	AS REQD.	GLAZING BEAD BULB, DUROMETER 65	SANTOPRENE	ULTRAFAB
10	35.12.00.400	2/ VENT	4 BAR HINGE, AT TOP AND BOTTOM	STEEL	TRUTH, INSTALLED WITH (2) #10 X 5/8" SDS
11	13096.92	1	MULTI POINT LOCK SYSTEM	ZAMAK	TRUTH
12	- :	6/ VENT	KEEPER	STEEL	-
13		1/ VENT	ROTO OPERATOR	ZAMAK/STL.	TRUTH
14	PSJ40-SS	2/ CORNER	FRAME/VENT CORNER KEY	ST. STEEL	_
15	FY120	AS REQD.	FLUSH FRAME ADAPTER	6063T6	OPTIONAL
16	_	3	ANTI SAG SKATE	NYLON	M&M PLASTICS
17	#10 X 1-1/4"	2/ SKATE	FH SDS SKATE SCREWS	_	-
18	#8 X 3/4"	AS REQD.	FH SMS SNUBBER SCREWS	_	IN PAIRS 2" APART, PAIRS SPACED AT 7-3/4" O.C.
19	-	2/ LITE	SETTING BLOCK, 3/16" X 3/4" X 4" LONG	EPDM	DUROMETER 80±5 SHORE A
20	FL8-50	-	GLASS SPACER - 1/8" HIGH	SILICONE	FRANK LOWE
21	_	-	INSUL. GLASS EDGE SPACER	ST. STEEL	CARDINAL XL

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SCHNEE-MOREHEAD SM5504 SEAM SEALER. PARIMETER CAULKING SICAFLEX 15LM ON EXTERIOR ONLY.

<u>LOCKS:</u>

MULTIPOINT LOCK SYSTEM #13096.92 BY 'TRUTH' AT FRAME JAMB LOCK OPERATOR #24.33.XX.004 AT 8-1/2" FROM SILL FASTENED TO JAMBS WITH (2) #10 X 5/8" SMS. LOCK BAR SECURED TO JAMB WITH LOCK GUIDES #33489.00.0001 SPACED AT 12-3/4" O.C. MAX. EACH GUIDE FASTENED WITH (2) #10 X 1" P PH SMS

STAINLESS STEEL KEEPERS #31964.92 AT VENT EACH FASTENED WITH (2) #10 X 5/8" P FH SMS SEE CHART ON SHEET 1 FOR QUANTITIES

HINGES:

4 BAR ST/ST HINGES #35.12.00.400 BY 'TRUTH' LOCATED AT TOP AND BOTTOM CORNERS FASTENED WITH (2) #10 X 5/8" P PH SELF DRILLING SCREWS

OPERATOR:

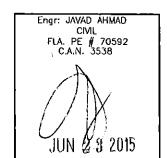
SINGLE ARM ROTO OPERATOR #52.13.012 BY 'TRUTH' LOCATED AT SILL END FASTENED WITH (6) #10 X 1" P PH SMS OPERATOR TRACK #30175 AT BOTTOM RAIL FASTENED WITH (2) #10 X 1" P PH SMS

ANTI-SAG SKATES:

VINYL ANTI-SAG SKATES BY 'M&M PLASTICS' (2) AT LOCK STILE AT 6-3/4" FROM TOP/BOTTOM RAILS (1) AT BOTTOM RAIL AT 4" FROM LOCK STILE EACH FASTENED WITH (2) $\#10 \times 1-1/4$ " P FH SDS.

PRODUCT REVISED
as complying with the Florida
Building Code 15-0406.10
Expiration Date 05/19/2021

By Manuel Strain
Giami Dade Product Control



WINDOW SYSTEMS, N.W. 106 STREET Y, FL. 33178

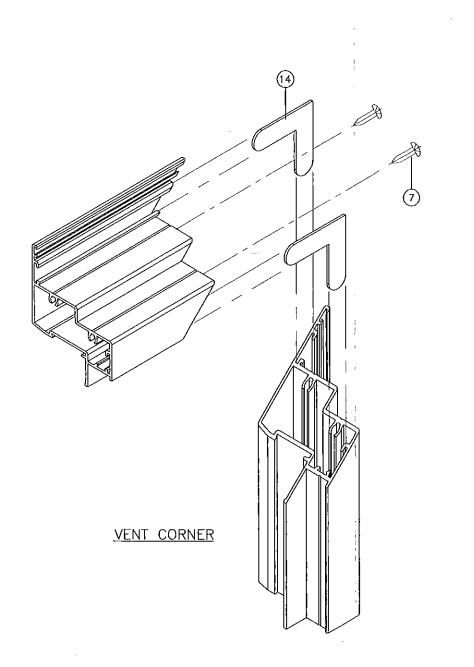
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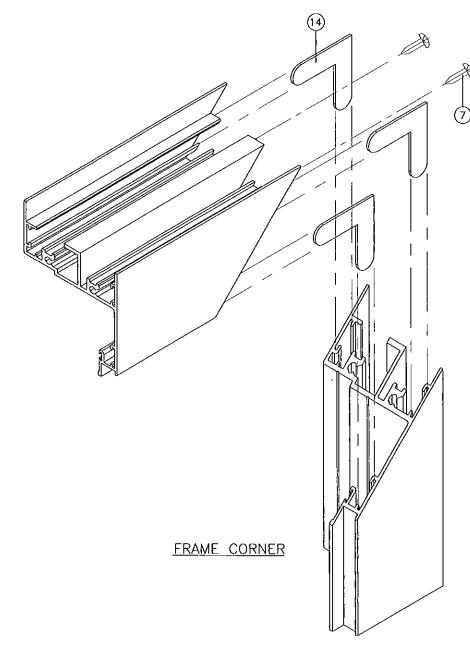
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sheet 5 of 6

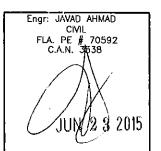
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174

WDW.





PRODUCT REVISED as complying with the Florida Building Code 15-04-06-10 Expiration Date 05/19/2021



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(sheet 6 of 6